Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/24/2020 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124939	-1	1.85	125011	1.85
Blue	F	SSC	125000	124903	-1	1.62	125726	1.65
Blue	E	FITC	15892	15602	-2	2.73	340	20.45
Blue	D	PE	29999	29792	-1	1.90	652	14.66
Blue	B	PerCP-Cy5-5	43732	43863	0	3.58	1179	20.28
Blue	A	PE-Cy7	30845	31156	1	6.12	595	40.90
Red	C	APC	46112	45747	-1	2.54	1616	12.24
Red	A	APC-Cy7	30458	29679	-3	2.39	785	11.92
Violet	B	V450	7918	7598	-5	4.45	424	13.35
Violet	A	V500	32171	30840	-5	4.25	718	10.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17278	9.55	620	-1	N/A	N/A	Pass
Blue	F	SSC	56858	1.20	560	1	N/A	N/A	Pass
Blue	E	FITC	63	65.51	542	-1	0.0195	170	Pass
Blue	D	PE	136	49.42	548	0	0.1627	267	Pass
Blue	B	PerCP-Cy5-5	218	50.75	656	0	0.0092	97	Pass
Blue	A	PE-Cy7	110	102.79	699	1	0.0109	19	Pass
Red	C	APC	386	25.17	587	3	0.0237	115	Pass
Red	A	APC-Cy7	172	28.63	558	2	0.0056	924	Pass
Violet	B	V450	66	60.23	459	1	0.0521	2195	Pass
Violet	A	V500	107	34.93	475	1	0.0230	909	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.41	-31.98	1.03
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.48	13.60 - 20.40	N/A	N/A	29.50	29.98	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9521

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments